

APPENDIX A

1. (Amended) A system for receiving [pages] paging channels, comprising:
a searcher coupled to a control system for detecting correlation energy of several pilot channels and for determining whether said correlation energy exceeds a threshold, thereby determining a number of best base stations, and for demodulating at least two quick paging channels associated with said best base stations;

[a control system coupled to said searcher for determining whether said correlation energy exceeds a threshold, thereby determining a number of best base stations;]

a demodulation element coupled to said searcher for demodulating paging channels transmitted from said best base stations, wherein timing of said paging channels are substantially overlapping and based on timing of at least one of said quick paging channels;

a combiner for soft combining paging messages received from said best base stations;

a decoder for decoding soft decision data from said demodulation element.

3. (Amended) The system as set forth in claim 1 further comprising:
an RF unit for generating signal samples of at least one of said several pilot channels, said least two quick paging channels, and said paging channels.

5. (Amended) A method for determining paging messages in a communication system, comprising:

searching several pilot channels associated with several base stations;

selecting at least two base stations having associated pilot signal energies exceeding a threshold;

demodulating at least two quick paging channels associated with said least two base stations;

demodulating for paging channels transmitted by said at least two base stations over substantially overlapping time slots based on said demodulating said least two paging channels;

combining a result of said demodulating generated by each of said paging channels;

decoding said combined result for determining paging messages carried by said least paging channels.

7. (Amended) A method for receiving a [page] paging channel, comprising:
searching for pilot channels, yielding a set of detected pilot channels that exceed a correlation energy threshold;

demodulating for paging channels generated from a set of base stations corresponding to said detected pilot channels, wherein said paging channels are transmitted over substantially overlapping time slots;

combining data symbol energies of said paging channels;

demodulating at least a quick paging channel transmitted from a base station in said set of base stations;

wherein said searching is performed at substantially the same time as said demodulating said quick paging channel;

wherein said searching is performed at a time prior to said demodulating said paging channel.